

GCSE Triple Science Revision Plan

Week	Biology	Chemistry	Physics
1 13.01.25	Cell structure, division + transport p2-33	The atom + Periodic Table P2-13, 38-47 <i>Atomic structure + periodic table</i>	Energy stores + transfers by heating p2-25
2 20.01.25	Organisation in animals p34-59 <i>Respiratory</i> <i>Digestive</i> <i>Circulatory</i>	Covalent, ionic + metallic bonding + structure p14-37 Transition metals + nanoparticles P48-57	National + global energy resources p26-35 <i>Work, power+efficiency</i> <i>Energy demands</i>
3 27.01.25	Organisation in plants P60-71	Chemical calculations (quantitative) p58-77	Supplying energy + electric circuits p36-59
4 03.02.25	Spread of diseases (communicable) p71-83	Reactions of metals p78-87 Reactions of acids P88-97	Energy of matter (particle model of matter) p60-71
5 10.02.25	Preventing + treating disease P84-95 Monoclonal antibodies P96-105	Electrolysis P98-109 Energy Changes p110-119	Atoms p72-83 Nuclear radiation p84-95 <i>Atomic structure</i>
6 17.02.25 Half Term	Non-communicable diseases P106-117	Rate of reaction p120-131 Equilibrium (reversible) p132-141	Forces p96-107 Pressure p108-115
7 24.02.25	Photosynthesis P118-129 Respiration p130-141	Crude oil+ fuels p142-151	Speed p116-127
8 03.03.25	Nervous system p142-155 Hormonal coordination (endocrine) p156-167	Organic reactions p152-161 Polymers P162-171	Newton's laws of motion p128-139 Braking + momentum p140-151
9 10.03.25	Variation p168-179 Reproduction p180-193	Chemical analysis p172-183	Mechanical waves p152-161 <i>Properties of waves</i> <i>Transverse + longitudinal</i>
10 17.03.25	Evolution p194-207	Earth's atmosphere p184-193	Electromagnetic waves, light + sound p162-185 <i>Reflection + refraction</i>

			Sound waves, Lenses Black body radiation
11 24.03.25	Adaptations p208-219 Organising ecosystems p220-231	Using Earth's resources p194-207	Magnets + electromagnets p186-199 Induced potential + transformers p200-211
12 31.03.25	Humans + biodiversity p232-243	Making our resources p208-221	Space p212-223
13 07.04.25 Easter	Practice Past Paper 1	Practice Past Paper 1	Practice Past Paper 1
14 14.04.25 Easter	Practice Past Paper 2	Practice Past Paper 2	Practice Past Paper 2
15 21.04.25	Cell biology Organisation	Atomic structure & periodic table Bonding, structure & properties of matter	Energy Electricity
16 28.04	Infection & response Bioenergetics	Quantitative chemistry	Particle model of matter Atomic structure
17 05.05	Required practicals	Chemical changes Energy changes	Required practicals
18 12.05	Biology paper 1 Tuesday 13th May	Required practicals	<i>Your choice</i>
19 19.05	Homeostasis	Chemistry paper 1 Monday 19th May	Physics paper 1 Thursday 22nd May
20 26.05 Half Term	Inheritance, variation + evolution	Rates + equilibrium Organic chemistry	Forces
21 02.06	Ecology	Analysis Earth's resources	Waves
22 09.06	Biology paper 2 Monday 9th June	Chemistry paper 2 Friday 13th June	Electromagnetism Space
23 16.06			Physics paper 2 Monday 16th June

*page numbers are for the Oxford Revise Revision & Practice Guides AQA GCSE 9-1 Biology/Chemistry/ Physics Higher

Try and do 45 minutes to an hour then stop and do something else.

As well as revising the content using the suggested resources, you need to practice applying your knowledge to exam questions. Try to give the best answer you can, looking at the marks available to see how much you need to write. If you don't know the answer, this should be a trigger to look at the content again.

Once answered, use the mark scheme to review and improve.

What's in the papers?

Biology

Paper 1

What's assessed

Topics 1–4: Cell biology; Organisation; Infection and response; and Bioenergetics.

How it's assessed

- Written exam: 1 hour 45 minutes
- Foundation and Higher Tier
- 100 marks
- 50% of GCSE

Questions

- Multiple choice, structured, closed short answer and open response.

Paper 2

What's assessed

Topics 5–7: Homeostasis and response; Inheritance, variation and evolution; and Ecology.

How it's assessed

- Written exam: 1 hour 45 minutes
- Foundation and Higher Tier
- 100 marks
- 50% of GCSE

Questions

- Multiple choice, structured, closed short answer and open response.

Chemistry

Paper 1:

What's assessed

Topics 1–5: Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry, Chemical changes; and Energy changes.

How it's assessed

- Written exam: 1 hour 45 minutes
- Foundation and Higher Tier
- 100 marks
- 50% of GCSE

Questions

Multiple choice, structured, closed short answer and open response.

Paper 2:

What's assessed

Topics 6–10: The rate and extent of chemical change; Organic chemistry; Chemical analysis, Chemistry of the atmosphere; and Using resources.

Questions in Paper 2 may draw on fundamental concepts and principles from sections 4.1 to 4.3.

How it's assessed

- Written exam: 1 hour 45 minutes
- Foundation and Higher Tier
- 100 marks
- 50% of GCSE

Questions

Multiple choice, structured, closed short answer and open response.

Physics

Paper 1:

What's assessed

Topics 1-4: Energy; Electricity; Particle model of matter; and Atomic structure.

How it's assessed

- Written exam: 1 hour 45 minutes
- Foundation and Higher Tier
- 100 marks
- 50% of GCSE

Questions

- Multiple choice, structured, closed short answer and open response.

Paper 2:

What's assessed

Topics 5-8: Forces; Waves; Magnetism and electromagnetism; and Space physics.

Questions in paper 2 may draw on an understanding of energy changes and transfers due to heating, mechanical and electrical work and the concept of energy conservation from [Energy](#) and [Electricity](#) .

How it's assessed

- Written exam: 1 hour 45 minutes
- Foundation and Higher Tier
- 100 marks
- 50% of GCSE

Questions

- Multiple choice, structured, closed short answer and open response.

Resources

1- Oxford Revise Revision and Practice Guide



2- BBC Bitesize

Biology: <https://www.bbc.co.uk/bitesize/examspecs/zpgcbk7>

Chemistry: <https://www.bbc.co.uk/bitesize/subjects/zs6hvcw>

Physics: <https://www.bbc.co.uk/bitesize/examspecs/zsc9rdm>

3- Kerboodle textbook (online)

<https://www.kerboodle.com/users/login>

Username: 20surname (20 followed by first letter of first name followed by surname)

Institution code: pru3

AQA GCSE Sciences (9-1)

AQA GCSE (Biology/Chemistry/Physics) Student Book

4- Seneca

<https://app.senecalearning.com/login>

Add courses (Biology/Chemistry/Physics: AQA GCSE Foundation/Higer)

5- Cognito

<https://www.youtube.com/channel/UCaGEe4KXZrjou9kQx6ezG2w>

6- Quizlet

<https://quizlet.com/gb>

7- Primrose kitten

Biology playlist:

https://www.youtube.com/playlist?list=PL7O6CcKg0HaGnykp12D8yVee_SEQdaEHH

Chemistry playlist:

https://www.youtube.com/playlist?list=PL7O6CcKg0HaGhn5E_LwNPH69bagsYQaJs

Physics playlist:

https://www.youtube.com/playlist?list=PL7O6CcKg0HaFYC_J92AxS1pfepJJK8xt

8- Freesciencelessons

<https://www.youtube.com/@Freesciencelessons>

Science revision sessions to help you with required practicals are **Monday afterschool**.